

Amendment to the drawings

Figures 1 and 2 were amended to include the legend "Prior Art"

## Remarks

Claims 1-12 were presented for prosecution. Claims 1, 2, 4-7, and 10-12 stand rejected under 35 USC 102(b) as allegedly being anticipated by Lautzenhiser (US 6,404,292). Claims 3, 8 and 9 were indicated as having allowable subject matter if rewritten in independent form. Applicant greatly appreciates the indication of allowable subject matter. Applicant has amended claims 1, 5-7 and 11-12. No new matter is believed added.

The drawings were objected to because Figures 1 and 2 failed to include the legend "prior art." Applicant has herein submitted a replacement sheet containing amended Figures 1 and 2.

The abstract was objected to because the abstract should be on a separate page, and the specification was objected to for failing to include section headings. Applicant has herein amended the abstract to present it on a separate page. However, with respect to the Office's suggestion regarding the specification, Applicant thanks the Office for providing information about recommended section headings. However, Applicant respectfully declines to add the headings. Section headings are not statutorily required for filing a non-provisional patent application under 35 U.S.C. § 111(a), but per 37 C.F.R. § 1.51(d) are only guidelines that are suggested for Applicant's use. See *Miscellaneous Change in Patent Practice*, Response to comments 17 and 18 (Official Gazette, August 13, 1996) [Docket No.: 950620162-6014-02] RIN 0651-AA75 ("Section 1.77 is permissive rather than mandatory. ... [T]he Office will not require any application to comply with the format set forth in 1.77")."

With regard to the 35 USC 102(b) rejections, Applicant respectfully submits that all claims are allowable of the cited art because Lautzenhiser fails to teach each and every recited feature. For example, claim 1 (and similarly claim 7) recites “measuring ... a control signal applied to ... the oscillator (20), and adjustment means (230) operable to adjust a loop gain *between the phase comparator and the filtering means* to obtain a predetermined loop frequency response.” Lautzenhiser fails to teach this feature. Instead, in Figure 9, Lautzenhiser provides a configuration for supplementing the frequency controlled voltage at node 68 **between the filter 42 and the VCO 10**. Accordingly, Lautzenhiser does not teach or suggest, *inter alia*, adjusting a loop gain *between the phase comparator and the filtering means*.

An illustrative, but not limiting example of the claimed invention is shown in Figure 4 of the present application, in which the charge pump 240, residing between the comparator 40 and the filter 50 is adjusted via a charge pump control input 230 based on a signal from the measurement means 220. This configuration is distinguishable from Lautzenhiser, which provides a system for adjusting the *frequency controlled voltage entering the VCO*. Accordingly, because Lautzenhiser fails to, *inter alia*, teach these features, Applicant submits that independent claims 1 and 7 are not anticipated under 35 USC 102(b). The remaining rejected dependent claims are believed allowable for this reason, as well as for other additional features claimed therein.

Applicant respectfully submits that the application is in condition for allowance.  
If the Examiner believes that anything further is necessary to place the application in condition for allowance, the Examiner is requested to contact Applicant's undersigned representative at the telephone number listed below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael Hoffman", with a horizontal line extending to the right.

Dated: 6/27/06

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